(11)

EP 0 949 279 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 13.09.2000 Bulletin 2000/37

(51) Int. Cl. ':

C08F 10/00, C08F 4/643

(43) Date of publication A2: 13.10.1999 Bulletin 1999/41

(21) Application number: 99201940.6

(22) Date of filing: 27.01.1988

(84) Designated Contracting States: AT BE DE ES FR GB IT LU NL SE

(30) Priority: 30.01.1987 US 8800 22.12.1987 US 133480

(62) Application number of the earlier application in accordance with Art. 76 EPC: 91113752.9

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(54) Process for the preparation of a polymeric product with a catalyst consisting of an ion pair

(57) Process for the preparation of a polymeric product by polymerising α -olefins, diolefins and/or acetylenically unsaturated monomers with a catalyst consisting of an ion pair comprising an anion of the general formula[BAr₁Ar₂X₃X₄] wherein:

B is boron in a valence state of 3:

 Ar_1 and Ar_2 are the same or different aromatic or substituted aromatic hydrocarbon radicals containing from 6 to 20 carbon atoms, optionally linked to each other through a stable bridging group, wherein at least one of Ar_1 and Ar_2 is a fluoro- or fluorohydrocarbyl-substituted, naphthyl

or anthracenyl radical; and

 X_3 and X_4 are radicals selected, independently, from hydride radicals, halide radicals, with the proviso that only X_3 or X_4 will be halide at the same time, hydrocarbyl radicals containing from 1 to 20 carbon atoms, substituted hydrocarbyl radicals, wherein one or more of the hydrogen atoms is replaced by a halogen atom, containing from 1 to 20 carbon atoms, hydrocarbyl- substituted metal (organometalloid) radicals wherein each hydrocarbyl substitution contains from 1 to 20 carbon atoms and said metal is Group IV-A of the Periodic Table of Elements.

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EUROPEAN SEARCH REPORT

Application Number EP 99 20 1940

Category	Citation of document with i of relevant pass	ndication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL7)
A	COMPLEX" JOURNAL OF THE AMER SOCIETY,US,AMERICAN WASHINGTON, DC,	CCATIONIC PIRCONIUM (IV) ALKYL RICAN CHEMICAL RICHEMICAL SOCIETY, 1986 (1986-01-01), 2002019566	1	C08F10/00 C08F4/643
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		•		TECHNICAL FIELDS SEARCHED (Int.CL7)
				C08F
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search	h	Examiner
	THE HAGUE	14 June 2000	Fis	cher, B
X : parti Y : parti docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with and ment of the same category nological background	E : earlier pale after the filin ther D : document o L : document o	nciple underlying the it document, but publ	invertion ished on, or

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